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RESULT 4
US-08-073-384C-3
; Sequence 3, Application US/08073384C
 Patent No. 5541311
   GENERAL INFORMATION:
     APPLICANT: Dahlberg, James E.
     APPLICANT: Lyamichev, Victor I.
     APPLICANT: Brow, Mary Ann D.
     TITLE OF INVENTION: SYNTHESIS-DEFICIENT THERMOSTABLE DNA
     TITLE OF INVENTION: POLYMERASE
     NUMBER OF SEQUENCES: 29
     CORRESPONDENCE ADDRESS:
      ADDRESSEE: HAVERSTOCK, MEDLEN & CARROLL
       STREET: 220 Montgomery Street, Suite 2200
       CITY: San Francisco
       STATE: California
       COUNTRY: United States of America
       ZIP: 94104
     COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
       COMPUTER: IBM PC compatible
       OPERATING SYSTEM: PC-DOS/MS-DOS
       SOFTWARE: PatentIn Release #1.0, Version #1.25
     CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/073,384C
      FILING DATE: 04-JUN-1993
      CLASSIFICATION: 536
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/986,330
      FILING DATE: 07-DEC-1992
    ATTORNEY/AGENT INFORMATION:
      NAME: Carroll, Peter G.
      REGISTRATION NUMBER: 32,837
      REFERENCE/DOCKET NUMBER: FORS-00613
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: 415/705-8410
      TELEFAX: 415/397-8338
  INFORMATION FOR SEQ ID NO:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 2504 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: double
      TOPOLOGY: linear
    MOLECULE TYPE: DNA (genomic)
US-08-073-384C-3
 Query Match
                          1.8%; Score 38.2; DB 1; Length 2504;
 Best Local Similarity
                       47.7%; Pred. No. 0.54;
 Matches 112; Conservative
                              0; Mismatches 123; Indels
                                                                          0;
QУ
     722 CAGGACCCCTGCTCATGGGGCTGTTTCCTACTAACCCCAAAGAGAAGACCCAGGAGGAA 781
                   | | | |
                                       1474 CTGGAAAGGGTGCTCTTTGACGAGCTTAGGCTTCCCGCCTTGGGGAAGACGCAAAAGACA 1533
Db
     782 CCCCCTGGCCAGAGCAGGCCCCTGTGTTGACCGTGGTGTCCAAGTTCAAGGCCTCACTG 841
Qу
                     1 111 111 1 111 11
                                                   11
                                                      | | | ||
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1534 GGCAAGCGCTCCACCAGCGCCGCGGTGCTGGAGGCCCTACGGGAGGCCCACCCCATCGTG 1593

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Db

Qу	842	GAGCAGCTTCTGCAGGTCCTACACAGCACCACGCCCCACTACATTCGCTGCATCAAGCCC 901
Db	1594	GAGAAGATCCTCCAGCACCGGGAGCTCACCAAGCTCAAGAACACCTACGTGGACCCCCTC 1653
Qу	902	AACAGCCAGGCCAGACCTTTCTCCAAGAGGAGGTCCTGAGCCAGCTGG 956
Db	1654	CCAAGCCTCGTCCACCCGAGGACGGCCCGCCTCCACACCCGCTTCAACCAGACGG 1708

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RESULT 4
US-08-306-691B-46
; Sequence 46, Application US/08306691B
 Patent No. 5734039
   GENERAL INFORMATION:
    APPLICANT: Calabretta, Bruno
    APPLICANT: Skorski, Tomasz
    TITLE OF INVENTION: ANTISENSE
    TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES
    NUMBER OF SEQUENCES: 55
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
       STREET: Two Penn Center, Suite 1800
      CITY: Philadelphia
       STATE: Pennsylvania
       COUNTRY: U.S.A.
       ZIP: 19102
     COMPUTER READABLE FORM:
      MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
       COMPUTER: IBM PS/2
      OPERATING SYSTEM: MS-DOS
       SOFTWARE: WordPerfect 5.1
     CURRENT APPLICATION DATA:
       APPLICATION NUMBER: US/08/306,691B
       FILING DATE: September 15, 1994
       CLASSIFICATION: 514
     PRIOR APPLICATION DATA:
       APPLICATION NUMBER:
       FILING DATE:
     ATTORNEY/AGENT INFORMATION:
      NAME: Monaco, Daniel A.
       REGISTRATION NUMBER: 30,480
       REFERENCE/DOCKET NUMBER: 8321-8
    TELECOMMUNICATION INFORMATION:
       TELEPHONE: (215) 568-8383
       TELEFAX: (215) 568-5549
       TELEX: No. 5734039e
   INFORMATION FOR SEQ ID NO:
     SEQUENCE CHARACTERISTICS:
       LENGTH: 2638 base pairs
       TYPE: nucleic acid
       STRANDEDNESS: single
       TOPOLOGY: linear
US-08-306-691B-46
Alignment Scores:
Pred. No.:
                                                     2638
                       0.0454
                                      Length:
                                      Matches:
                                                     141
Score:
                       124.00
Percent Similarity:
                       32.45%
                                      Conservative:
                                                     55
Best Local Similarity: 23.34%
                                      Mismatches:
                                                     227
Query Match:
                       3.81%
                                      Indels:
                                                     181
DB:
                       1
                                      Gaps:
                                                     27
US-09-830-914C-1 (1-612) x US-08-306-691B-46 (1-2638)
       87 HisTyrLeuArgAlaGlnGlnGluGluTyrAlaValGluGlyLeuGluTrpSerPheIle 106
Qу
          :::
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Db	559	${\tt CATCATCTGCGAGGCCCACAAGGTGCTGGGCCAAGATCTT}$	618
Qy	107	AsnTyrGlnAspAsnGlnProCysLeuAspLeuIleGluGlySerProIle :::	123
Db	619	GCCAGGGAGGACAATGCTGTGAAGAATCACTGGAACTCTACCATCAAAAGGAAGG	678
Qу	124	SerIleCysSerLeuIleAsnGluGluCysArgLeuAsnArgProSer	139
Db	679	GGACACAGGAGGCTTCTTGAGCGAGTCCAAAGACTGCAAGCCCCCAGTGTACTTGCTGCT	738
Qу	140	SerAlaArgGlnLeuGlnThrArgIleGluThrAlaLeuAlaGlySerProCysLeuGly	159
Db	739	GGAGCTCGAGGACAAGGACGGCCTCCAGAGTGCCCAGCCCACGGAAGGCCAGGGAAGTCT	798
Qу	160	HisAsnLysLeuSerArgGluProSerPheIleValValHisTyrAlaGlyProValArg :::::: ::: :::	179
Db	799	TCTGACCAACTGGCCCTCCGTCCCTCCTACCATAAAGGAGGAGGAAAACAG	849
Qy	180	-TyrHisThrAlaGlyLeuValGluLysAsnLysAspProIleProProGluLe	197
Db	850	TGAGGAGGAACTTGCAGCAGCCACCACATCGAAGGAACAGGAGCCCATCGGTACAGATCT	909
Qу		uThrArgLeuLeuGlnGlnSerGlnAspProLeuLeuMetGlyLeuPheProThrAsnPr	
Db	910	::: :::::: GGACGCAGTGCGAACACCAGAGCCCTTG	948
Qy	217	oLysGluLysThrGlnGluGluProProGlyGlnSerArgAlaProValLeuThrValVa	237
Db	949	GAAGCGTGAGGACCAGGAAGGCTCCCCACCAGAAACGAGCCTGCCT	1008
Qу	237	lSerLysPheLysAlaSerLeuGluGlnLeuLeuGlnVa	250
Db	1009	GGAGGCAGCTAACCTCCTCATCCCCGCTGTGGGTTCTAGCCTCTCTGAAGCCCTGGACTT	1068
Qу	250	<pre>lLeuHisSerThrThrProHisTyrIleArgCysIleLys :::: ::: </pre>	263
Db	1069	GATCGAGTCGGACCCTGATGCTTGGTGTGACCTGAGTAAATTTGACCTCCCTGAGGAACC	1128
Qу	264	ProAsnSerGlnGlyGlnAlaGlnThrPheLeuGlnGluGl	277
Db	1129	ATCTGCAGAGGACAGTATCAACAACAGCCTAGTGCAGCTGCAAGCGTCACATCAGCAGCA	1188
Qy	277	uValLeuSerGlnLeuGluAlaCysGlyLeuVal::::::::::::::::::::::::::::::::	288
Db	1189	AGTCCTGCCACCCGCCAGCCTTCCGCCCTGGTGCCCAGTGTGACCGAGTACCGCCTGGA	1248
Qу	289	GluThrIleHisIleSerAl	295
Db	1249	TGGCCACACCATCTCAGACCTGAGCCGGAGCAGCCGGGGCGAGCTGATCCCCCATCTCCCC	1308
Qу	295	aAlaGlyPheProIleArgValSerHisArgAsnPh :::	307
Db		CAGCACTGAAGTCGGGGGCTCTGGCATTGGCACACCGCCCTCTGTGCTCAAGCGGCAGAG	
Qy	307	eValGluArgTyrLysLeuLeuArgArgLeuHi	318
Db		GAAGAGGCGTGTGGCTCTGTCCCCTGTCACTGAGAATAGCACCAGTCTGTCCTTGGA	

Qу	318	sProCysThrSerSerGlyProAspSerProTyrProAlaLysGlyLeuPro	335
Db	1429	TTCCTGTAACAGCCTCACGCCCAAGAGCACACCTGTTAAGACCCTGCCCTTCTCGCC	1485
Qy	336	GluTrpCysProHisSerGluGluAlaThrLeuGluProLeuIl	350
Db	1486	CTCCCAGTTTCTGAACTTCTGGAACAAACAGGACACATTGGAGCTGGA	1533
Qу	350	eGlnAspIleLeuHisThrLeuProValLeuThrGlnAlaAlaIleThrGlyAspSe	370
Db	1534	GAGCCCTCGCTGACATCCACCCCAGTGTGCAGCCAGAAGGTGGTGGTCACC	1585
Qу	370	rAlaGluAlaMetProAlaProMetHisCysGlyArgThrLysValPheMet-ThrAspS ::: ::: :	390
Db	1586	ACACCACTGCACCGGGACAAGACACCCCTGCACCAGAA	1623
Qy	390	erMetLeuGluLeu:::::::::::::::::::::::::::::::	394
Db	1624	ACATGCTGCGTTTGTAACCCCAGATCAGAAGTACTCCATGGACAACACTCCCCACACGCC	1683
Qу	395	LeuGluCysGlyArgAlaA	401
Db	1684	AACCCCGTTCAAGAACGCCCTGGAGAAGTACGGACCCCTGAAGCCCCTGCCACAGACCCC	1743
Qy	401	rgValLeuGluGlnCysAlaArgCysIleGln-GlyGlyTrpArgArgHis	417
Db	1744	GCACCTGGAGGAGGACTTGAAGGAGGTGCTGCGTTCTGAGGCTGGCATCGAACTCATCAT	1803
Qy		ArgHisArgGluGlnGluArgGlnTrpArgAlaValMetLeuIleGlnAlaAlaIleArg	
Db	1804	CGAGGACGACATCAGGCCCGAGAAGCAGAAGAGGAA	1839
Qу	438	SerTrp-LeuThrArgLysHisIleGlnArgLeuHisAlaAlaAlaThrValIleLysAr ::: ::::::	457
Db	1840	GCCTGGGCTGCGGCGGAGCCCCATCAAGAAAGTCCGGAAGTCT	1882
Qу		gAlaTrpGlnLysTrpArgIleArgMetAlaCysLeuAlaAlaLysGluLeuAspGlyVa	
Db	1883	CTGGCTCTTGACATTGTGGATGAGGA	1908
Qу	477	lGluGluLysHisPheSerGlnAlaProCysSerLeuSerThrSerProLe :::	494
Db	1909	TGTGAAGCTGATGATGTCCACACTGCCCAAGTCTCTATCCTTGCCGACAACTGCCCCTTC	1968
Qу		uGlnThrArgLeuLeuGluAlaIleIleArgLeuTrpProLeuGlyLeuValLeuAlaAs :::	
Db	1969	AAACTCTTCCAGCCTCACCCTGTCAGGTATCAAAGAAGACAA	2010
Qy	514	nThrAlaMetGlyValGlySerPheGlnArgLysLeuValValTrpAlaCysLeuGlnLe	534
Db	2011	CAGCTTGCTCAACCAGGGCTTCTTGCAGGCCAAGCCCGAGAAGCCAGAGCAGCAGCAGCAGCAG	2070
Qy	534	uProArgGlySerProSerSerTyrThrValGlnThrAlaGlnAspGlnAla-GlyValT	554
Db	2071	GCCCGAAGCCACTTCACGACACCTGCCCCTATGTCCAGTGCCTGGA	2117